

IN THE CLAIMS:

Listing of the Claims

1 - 30. (Cancelled)

31. (Currently Amended) A plasma display apparatus comprising:

a plasma display panel having at least a pair of electrodes making up a capacitive load and causing discharge to occur between the pair of electrodes; and

a capacitive load drive circuit connected to a respective electrode of the pair of electrodes and driving the capacitive load,

wherein the capacitive load drive circuit has a coil circuit connected between an output terminal to be connected to said respective electrode and a reference potential and controls so that when the energy stored in the capacitive load is discharged, the energy is stored in the coil circuit and at the same time the energy is retained in the coil circuit while the current flowing through the coil circuit is increasing, and when the capacitive load is recharged, the stored energy is released while the current flowing through the coil circuit is decreasing, and

wherein the energy is stored in the coil circuit via said respective electrode when the energy stored in the capacitive load is discharged and the released energy is supplied to the capacitive load via said respective electrode when the capacitive load is recharged.

32. (Original) A plasma display apparatus, as set forth in claim 31, wherein a switch circuit maintaining the discharged state of the capacitive load after the capacitive load is discharged and until it is recharged, and a power supply switch circuit maintaining the charged state of the capacitive load after the capacitive load is charged and until it is discharged again.

33. (Previously Presented) A plasma display apparatus, as set forth in claim 32, wherein the switch circuit is comprised of a one-way conductive element.

34. (Original) A plasma display apparatus, as set forth in claim 32, wherein the power supply switch circuit is controlled so as to be brought into a conductive state before the charging of the capacitive load is completed.

35. (Cancelled)

36. (Cancelled)

37. (Currently Amended) A- The plasma display apparatus comprising as set forth in claim 31,:

a plasma display panel having wherein the pair of electrodes are a plurality of scan electrodes and a plurality of address electrodes arranged so as to intersect the scan electrodes; wherein the capacitive load drive circuit comprises:

a scan electrode drive circuit driving the plurality of scan electrodes; and
an address electrode drive circuit driving the plurality of address electrodes,
wherein the address electrode drive circuit has a coil circuit connected between an output terminal to be connected to the address electrode and a reference potential and controls so that when the energy stored in the capacitive load consisting of the address electrodes and the scan electrodes is discharged, the energy is stored in the coil circuit and at the same time the energy is retained in the coil circuit while the current flowing through the coil circuit is increasing, and when the capacitive load is recharged, the stored energy is released while the current flowing through the coil circuit is decreasing.

38. (Previously Presented) A plasma display apparatus, as set forth in claim 31, wherein the capacitive load drive circuit further comprising:

a first switch circuit connected in series between an output terminal to be connected to said respective electrode and one end of the coil circuit;

a second switch circuit connected between a first end of the coil circuit and the reference potential;

a third switch circuit connected between a second end of the coil circuit and the reference potential;

wherein the first, second, and third switches are controlled to store energy in the coil circuit and to release the stored energy from the coil circuit.

39. (Previously Presented) A plasma display apparatus, as set forth in claim 38, wherein the capacitive load drive circuit further comprising a fourth switch circuit connected between the second end of the coil circuit and the output terminal.